

# HIV Surveillance in Urban and Nonurban Areas through 2017

# HIV Infection in Urban and Nonurban Areas

- Many ways to characterize urban and nonurban areas and populations
- CDC uses metropolitan statistical areas (MSAs) as defined by the Office of Management and Budget (OMB)
- OMB subdivides MSAs as:
  - $\geq 500,000$  population
  - 50,000 – 499,999 population
  - Nonmetropolitan (<50,000 population)

# Adults and Adolescents Living with Diagnosed HIV Infection, by Population of Area of Residence and Race/Ethnicity, Year-end 2016—United States

Race/ethnicity	MSA of ≥500,000		MSA of 50,000-499,999		Non- metropolitan	
	No.	Rate	No.	Rate	No.	Rate
American Indian/Alaska Native	1,595	210.5	503	125.3	722	94.3
Asian <sup>a</sup>	11,957	88.1	837	65	209	53.1
Black/African American	321,251	1280.1	40,130	828.9	22,210	713.9
Hispanic/Latino <sup>b</sup>	186,400	524.1	13,763	238.8	6,718	232.8
Native Hawaiian/other Pacific Islander	662	193.4	84	119.9	53	110.4
White	223,931	212.3	37,510	107.8	22,336	72
Multiple races	33,080	1070.9	4,039	524	2,290	430.6
<b>Total<sup>c</sup></b>	<b>779,510</b>	<b>423.8</b>	<b>96,912</b>	<b>202.2</b>	<b>54,581</b>	<b>140.8</b>

*Note.* Data are based on address of residence as of December 31, 2016 (i.e., most recent known address). Data exclude persons whose county of residence is unknown.

<sup>a</sup> Includes Asian/Pacific Islander legacy cases.

<sup>b</sup> Hispanics/Latinos can be of any race.

<sup>c</sup> Includes persons whose race/ethnicity is unknown.



## Regions of the United States



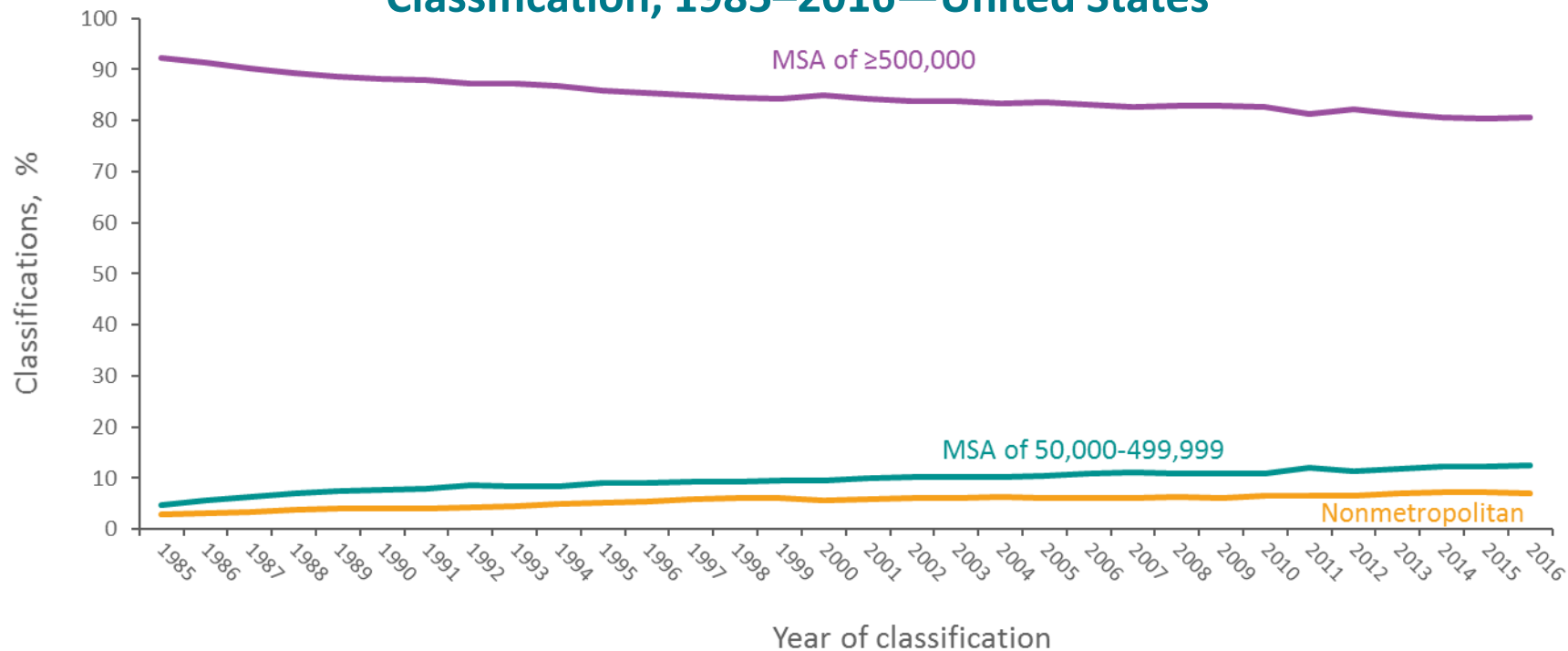
# Adults and Adolescents Living with Diagnosed HIV Infection, by Population of Area of Residence and Region, Year-end 2016—United States

Region of residence	MSA of ≥500,000		MSA of 50,000-499,999		Non-metropolitan	
	No.	Rate	No.	Rate	No.	Rate
Northeast N = 217,341	202,747	519.6	9,699	193.7	4,895	123.6
Midwest N = 112,401	89,249	278.2	14,731	121.6	8,421	66.5
South N = 410,838	317,169	490.1	58,093	279.9	35,576	214.9
West N = 190,423	170,345	354.2	14,389	143.1	5,689	101.6

*Note.* Data are based on address of residence as of December 31, 2016 (i.e., most recent known address). Data exclude persons whose county of residence is unknown. Rates are per 100,000 population.



# Percentages of Stage 3 (AIDS) Classifications among Adults and Adolescents with Diagnosed HIV Infection, by Population of Area of Residence and Year of Classification, 1985–2016—United States



Note. Data exclude persons whose county of residence is unknown.

# Adults and Adolescents Living with Diagnosed HIV Infection Ever Classified as Stage 3 (AIDS), by Population of Area of Residence and Region, Year-end 2016— United States

Region of residence	MSA of ≥500,000		MSA of 50,000-499,999		Non- metropolitan	
	No.	Rate	No.	Rate	No.	Rate
Northeast N = 123,261	115,217	295.3	5,290	105.6	2,754	69.5
Midwest N = 56,296	44,334	138.2	7,430	61.3	4,532	35.8
South N = 211,048	162,653	251.3	29,813	143.6	18,582	112.2
West N = 103,013	91,622	190.5	8,073	80.3	3,218	59.3

*Note.* Data are based on address of residence as of December 31, 2016 (i.e., most recent known address). Data exclude persons whose county of residence is unknown. Rates are per 100,000 population.



## Diagnoses of HIV Infection among Adults and Adolescents by Population of Area of Residence, 2017—United States

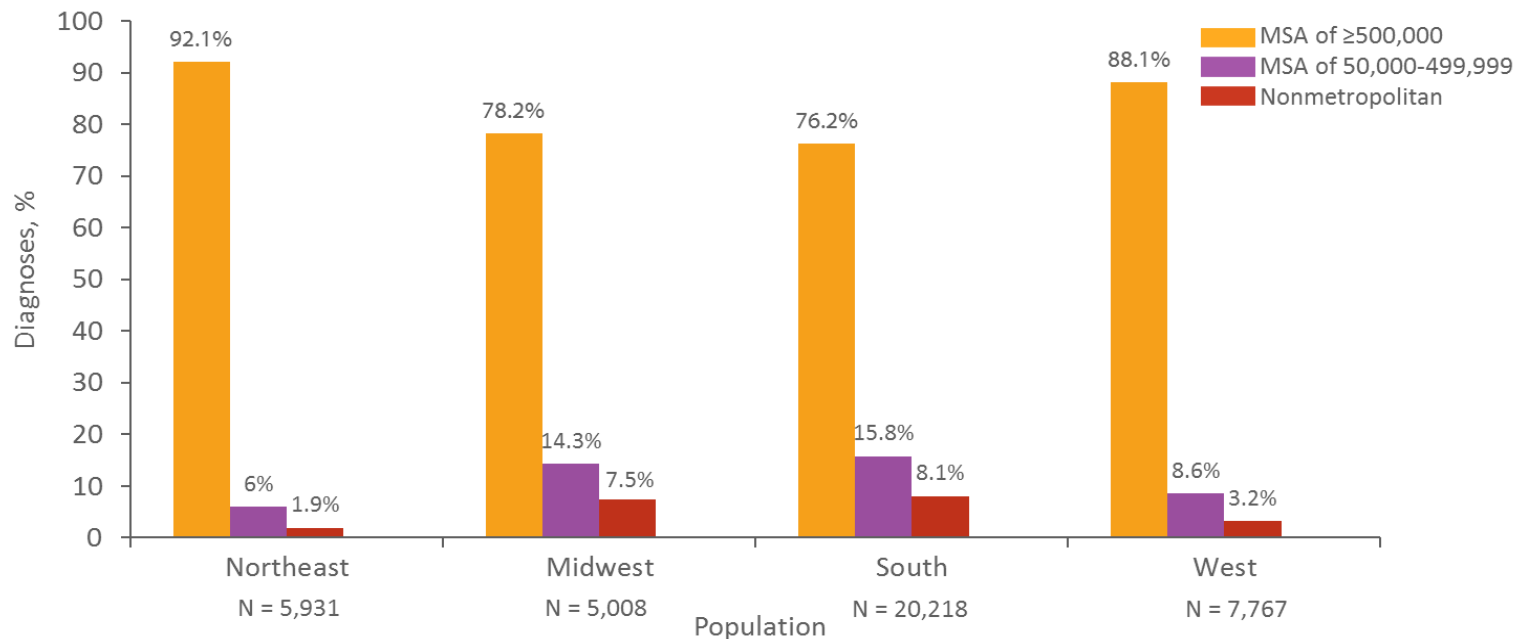
MSA Population	No.	Rate
≥500,000	30,630	16.5
50,000 – 499,999	4,779	9.9
Nonmetropolitan	2,298	5.9
<b>Total</b>	<b>37,707</b>	<b>13.8</b>

*Note.* Data for the year 2017 are considered preliminary and based on 6 months reporting delay. Data exclude persons whose county of residence is unknown. Rates are per 100,000 population.





# Percentages of Diagnoses of HIV Infection among Adults and Adolescents by Region and Population of Area of Residence, 2017—United States



*Note.* Data for the year 2017 are considered preliminary and based on 6 months reporting delay. Data exclude persons whose county of residence is unknown.

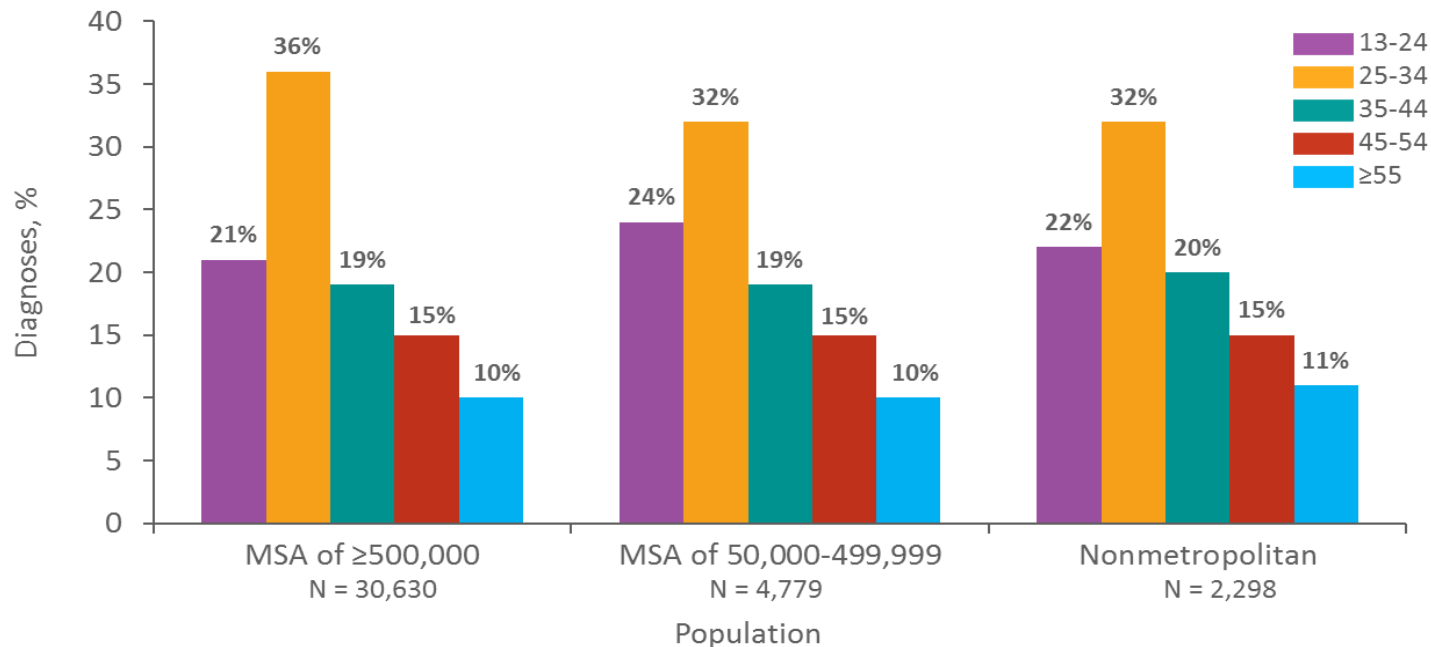
# Diagnoses of HIV Infections among Adults and Adolescents, by Population of Area of Residence and Region, 2017—United States

Region of residence	MSA of ≥500,000		MSA of 50,000-499,999		Non- metropolitan	
	No.	Rate	No.	Rate	No.	Rate
Northeast N = 5,931	5,460	13.9	356	7.1	115	2.9
Midwest N = 5,000	3,910	12.1	716	5.9	374	3.0
South N = 19,554	14,894	22.7	3,085	14.7	1,575	9.5
West N = 7,222	6,366	13.1	622	6.1	234	4.1

*Note.* Data for the year 2017 are considered preliminary and based on 6 months reporting delay. Data exclude persons whose county of residence is unknown. Rates are per 100,000 population.

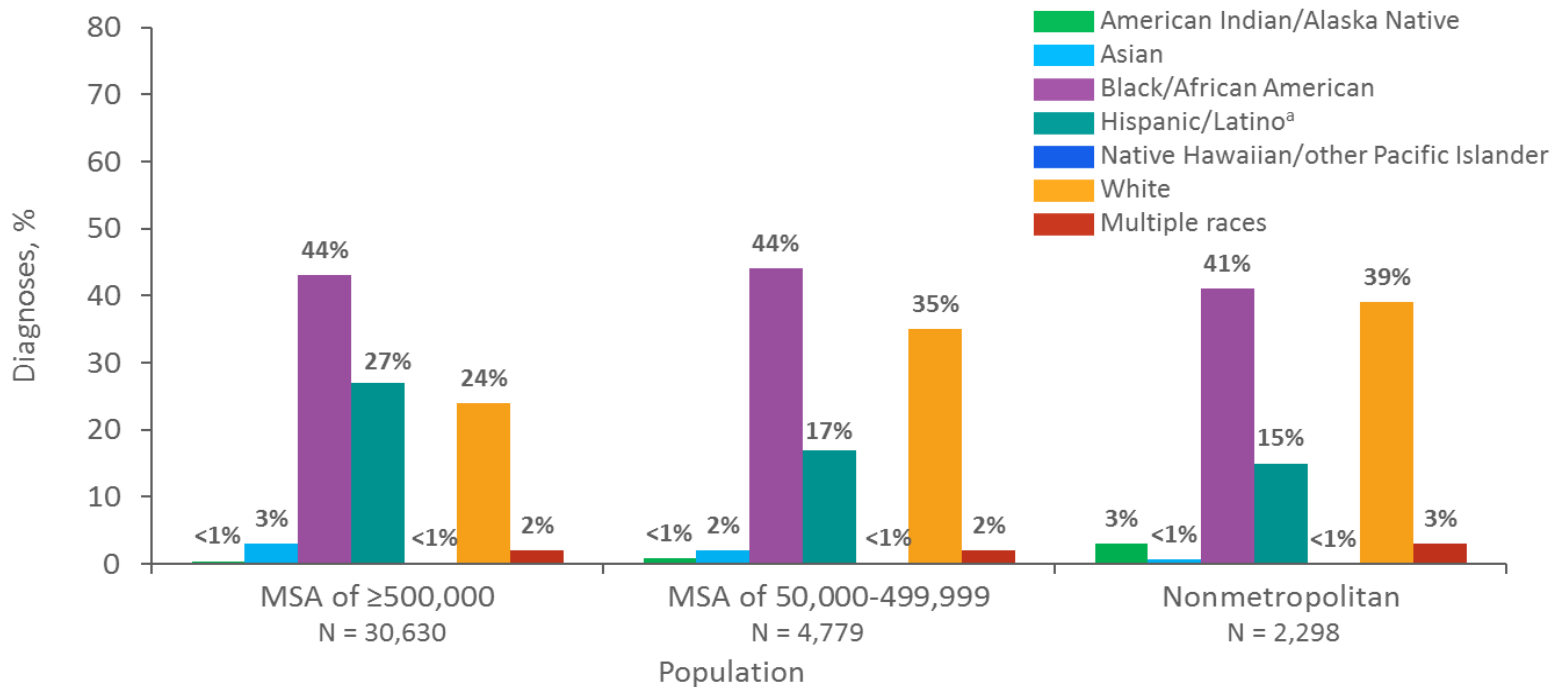


# Percentages of Diagnoses of HIV Infection among Adults and Adolescents by Population of Area of Residence and Age at Diagnosis, 2017—United States



Note. Data for the year 2017 are considered preliminary and based on 6 months reporting delay. Data exclude persons whose county of residence is unknown.

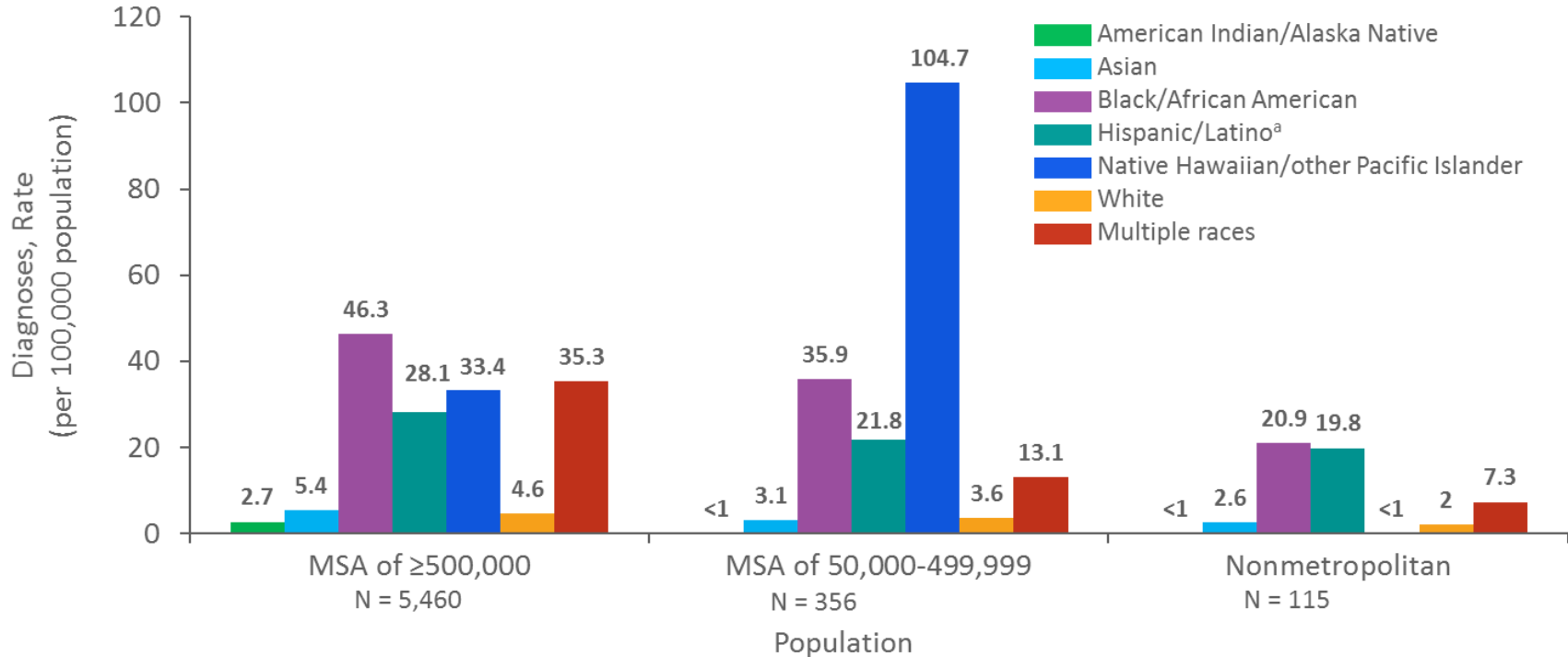
# Percentages of Diagnoses of HIV Infection among Adults and Adolescents, by Population of Area of Residence and Race/Ethnicity, 2017—United States



Note. Data for the year 2017 are considered preliminary and based on 6 months reporting delay. Data exclude persons whose county of residence is unknown.

<sup>a</sup> Hispanics/Latinos can be of any race.

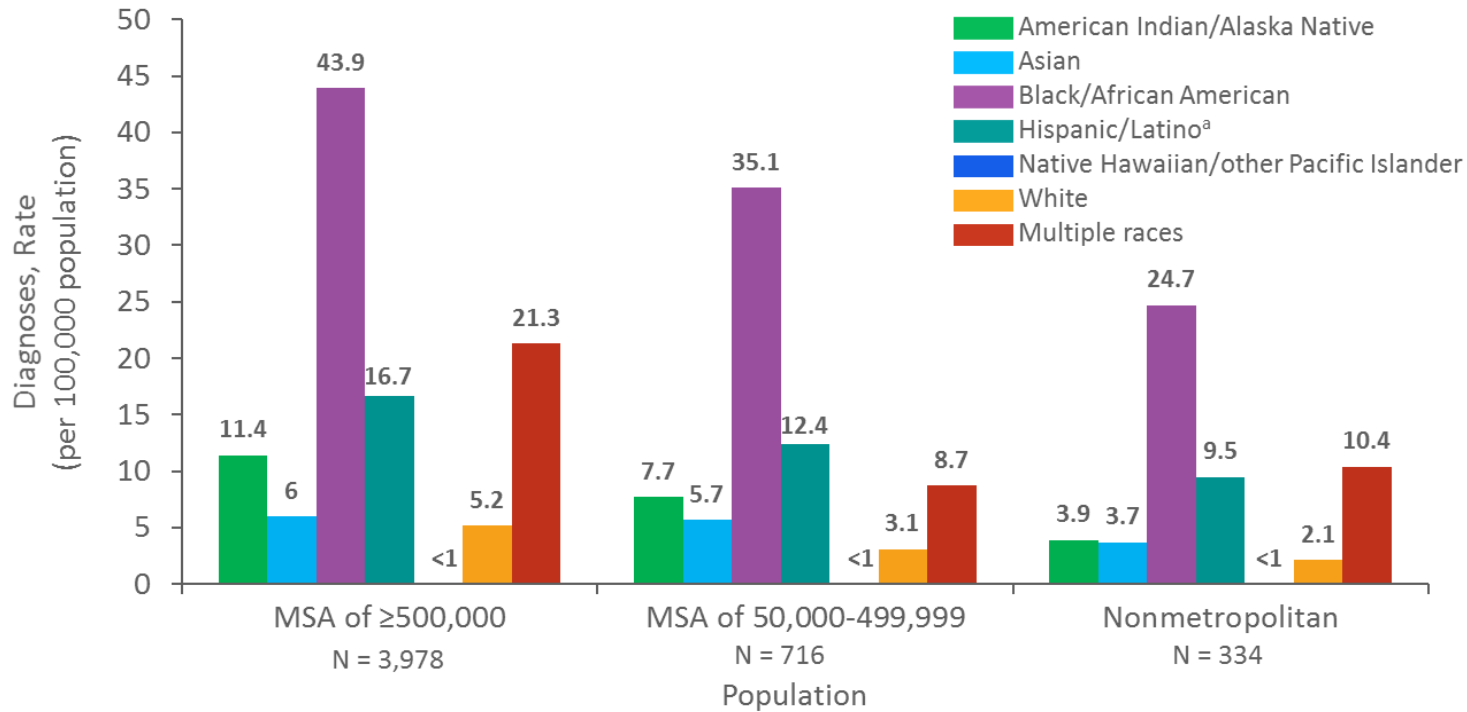
# Rates of Diagnoses of HIV Infection among Adults and Adolescents, by Population of Area of Residence and Race/Ethnicity, 2017—Northeast Region, United States



Note. Data for the year 2017 are considered preliminary and based on 6 months reporting delay. Data exclude persons whose county of residence is unknown.

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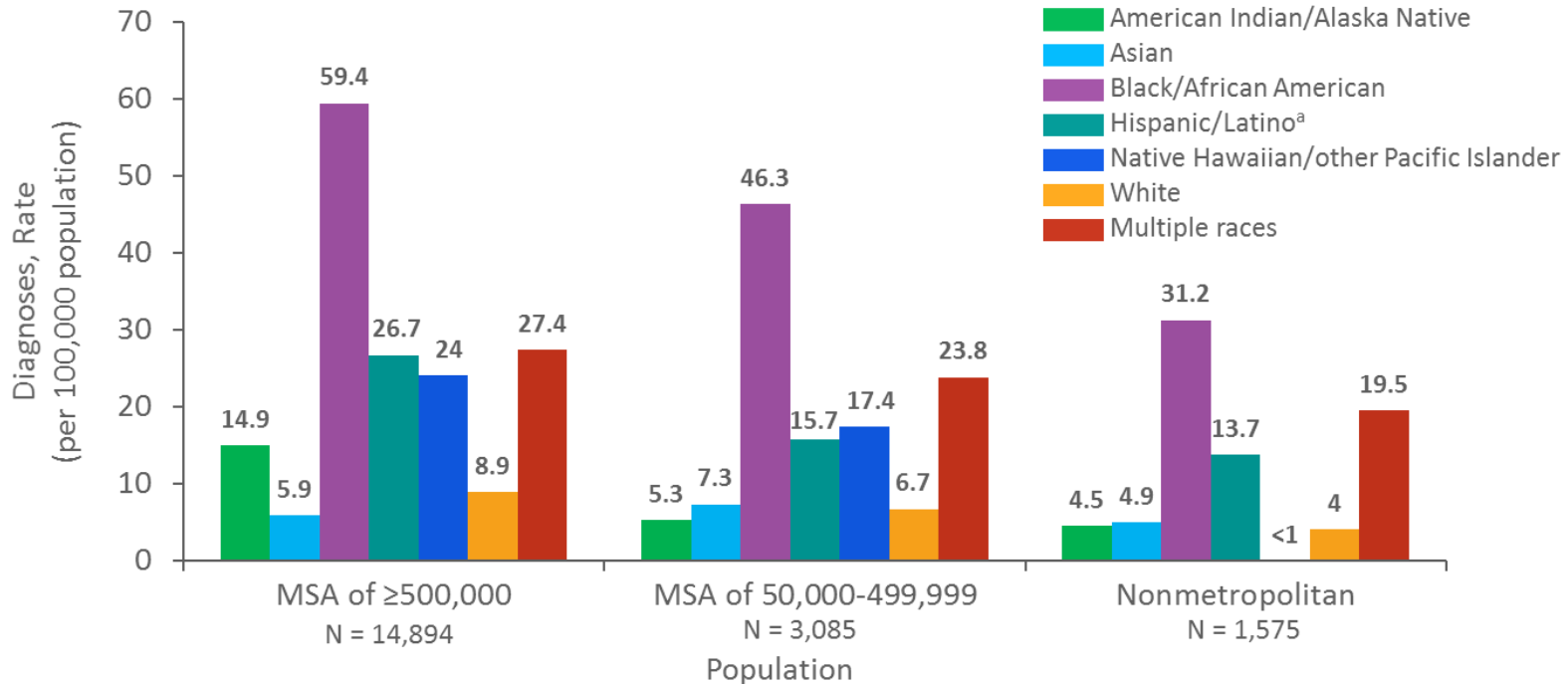
# Rates of Diagnoses of HIV Infection among Adults and Adolescents, by Population of Area of Residence and Race/Ethnicity, 2017—Midwest Region, United States



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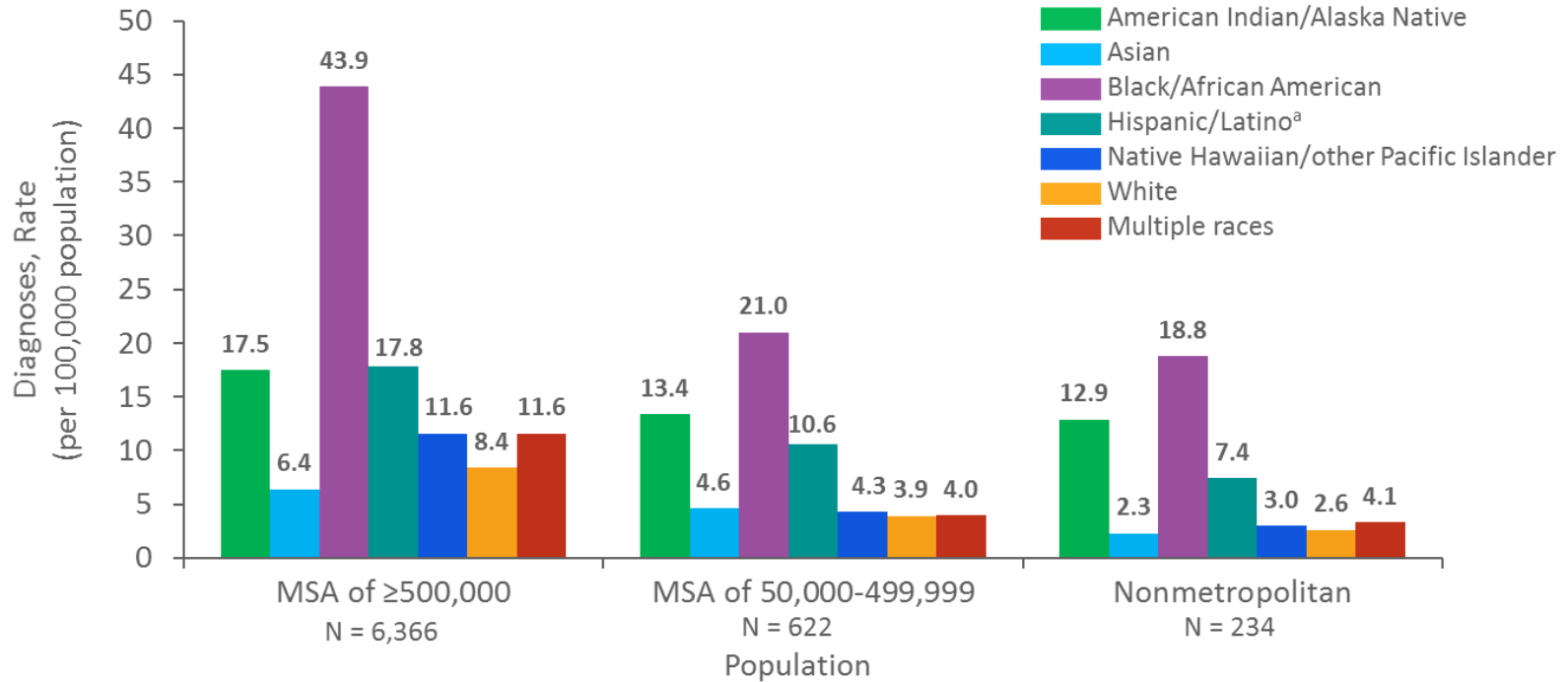
# Rates of Diagnoses of HIV Infection among Adults and Adolescents, by Population of Area of Residence and Race/Ethnicity, 2017—South Region, United States



Note. Data for the year 2017 are considered preliminary and based on 6 months reporting delay. Data exclude persons whose county of residence is unknown.

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# Rates of Diagnoses of HIV Infection among Adults and Adolescents, by Population of Area of Residence and Race/Ethnicity, 2017—West Region, United States

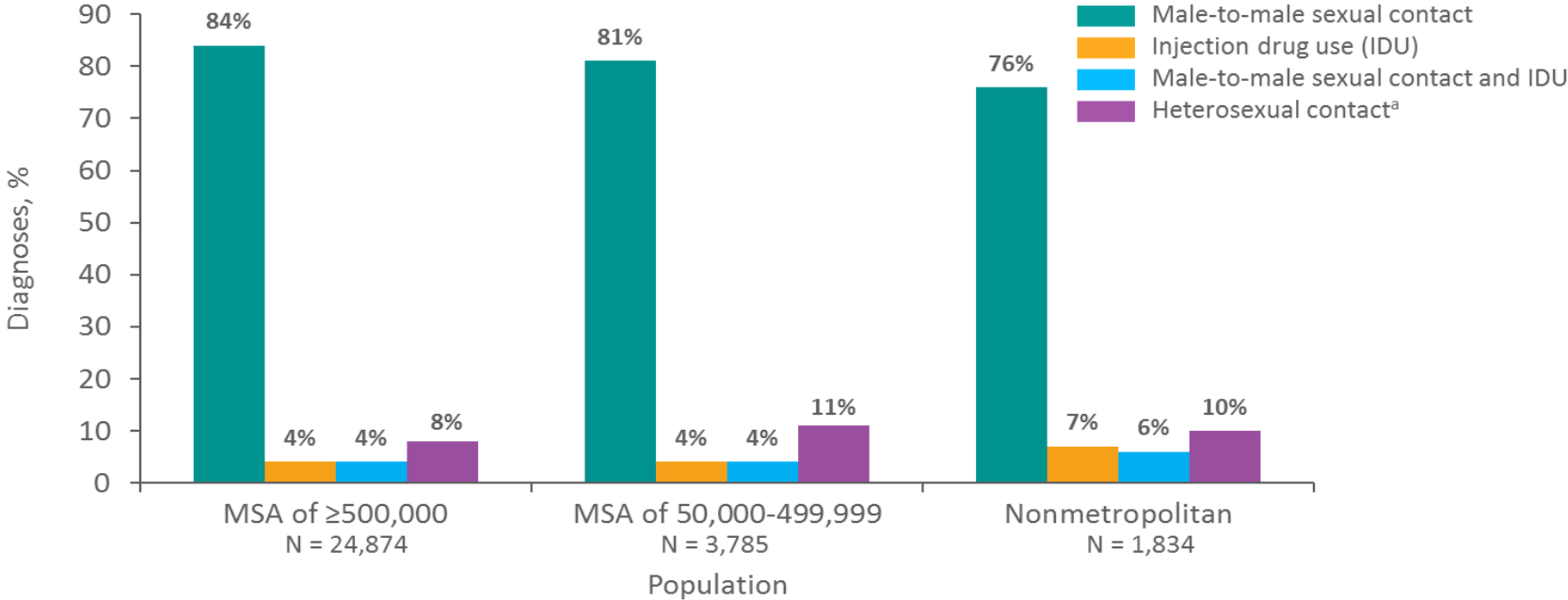


Note. Data for the year 2017 are considered preliminary and based on 6 months reporting delay. Data exclude persons whose county of residence is unknown.

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# Percentages of Diagnoses of HIV Infection among Male Adults and Adolescents, by Population of Area of Residence and Transmission Category, 2017—United States

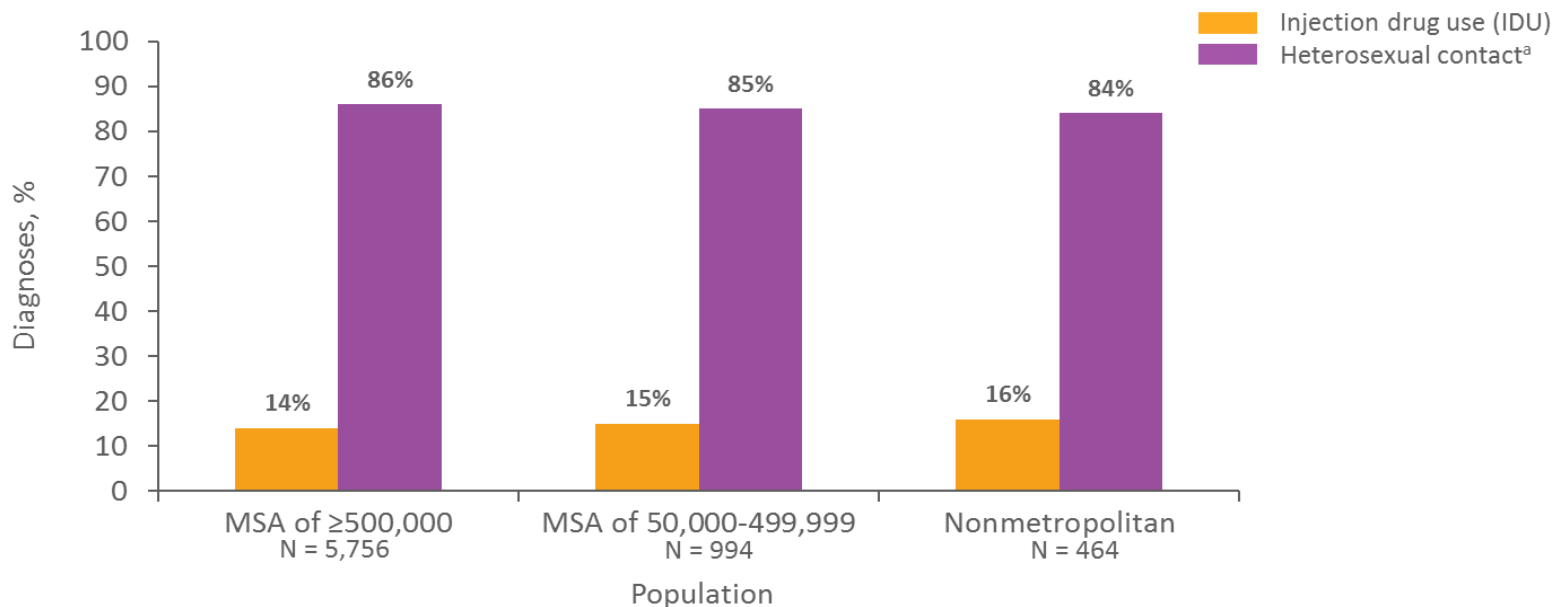


*Note.* Data for the year 2017 are considered preliminary and based on 6 months reporting delay. Data exclude persons whose county of residence is unknown. Data have been statistically adjusted to account for missing transmission category. “Other” transmission category not displayed as it comprises less than 1% of cases.

<sup>a</sup> Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.



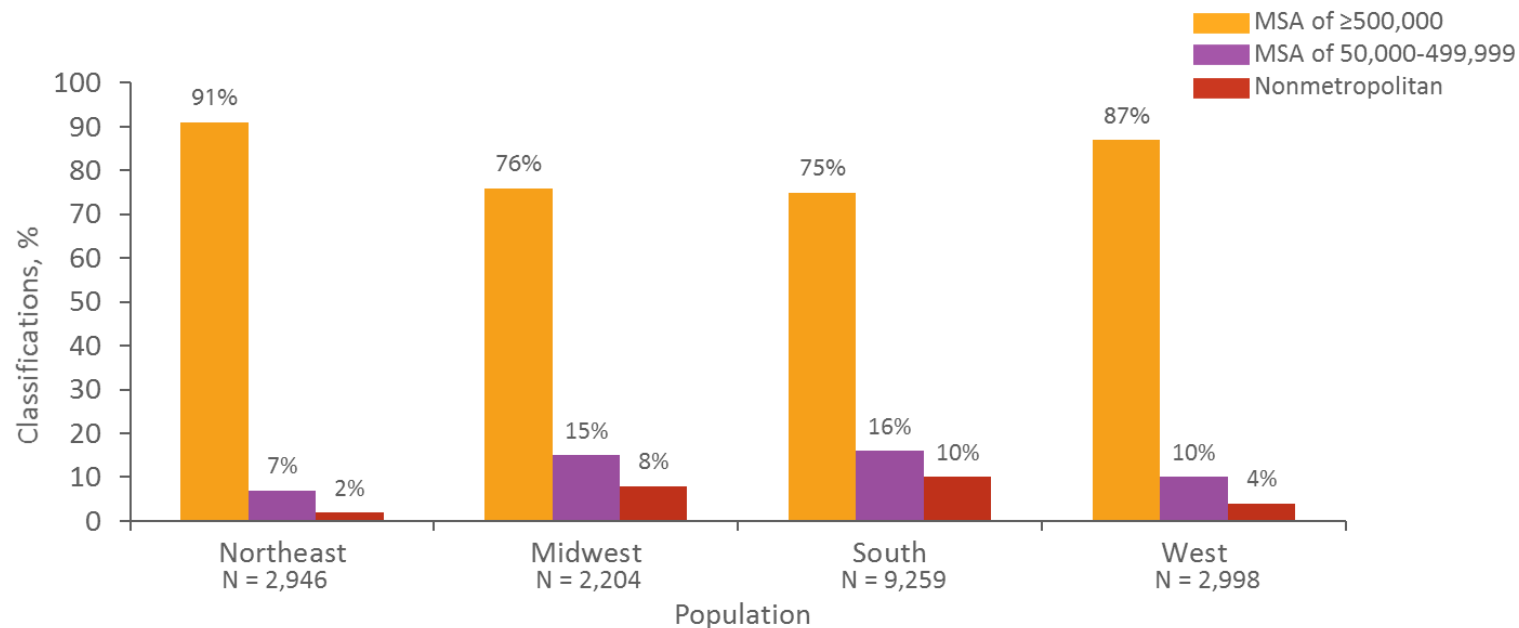
# Percentages of Diagnoses of HIV Infection among Female Adults and Adolescents, by Population of Area of Residence and Transmission Category, 2017—United States



*Note.* Data for the year 2017 are considered preliminary and based on 6 months reporting delay. Data exclude persons whose county of residence is unknown. Data have been statistically adjusted to account for missing transmission category. “Other” transmission category not displayed as it comprises less than 1% of cases.

<sup>a</sup> Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

# Percentages of Stage 3 (AIDS) Classifications among Adults and Adolescents with Diagnosed HIV Infection, by Region and Population of Area of Residence, 2017—United States



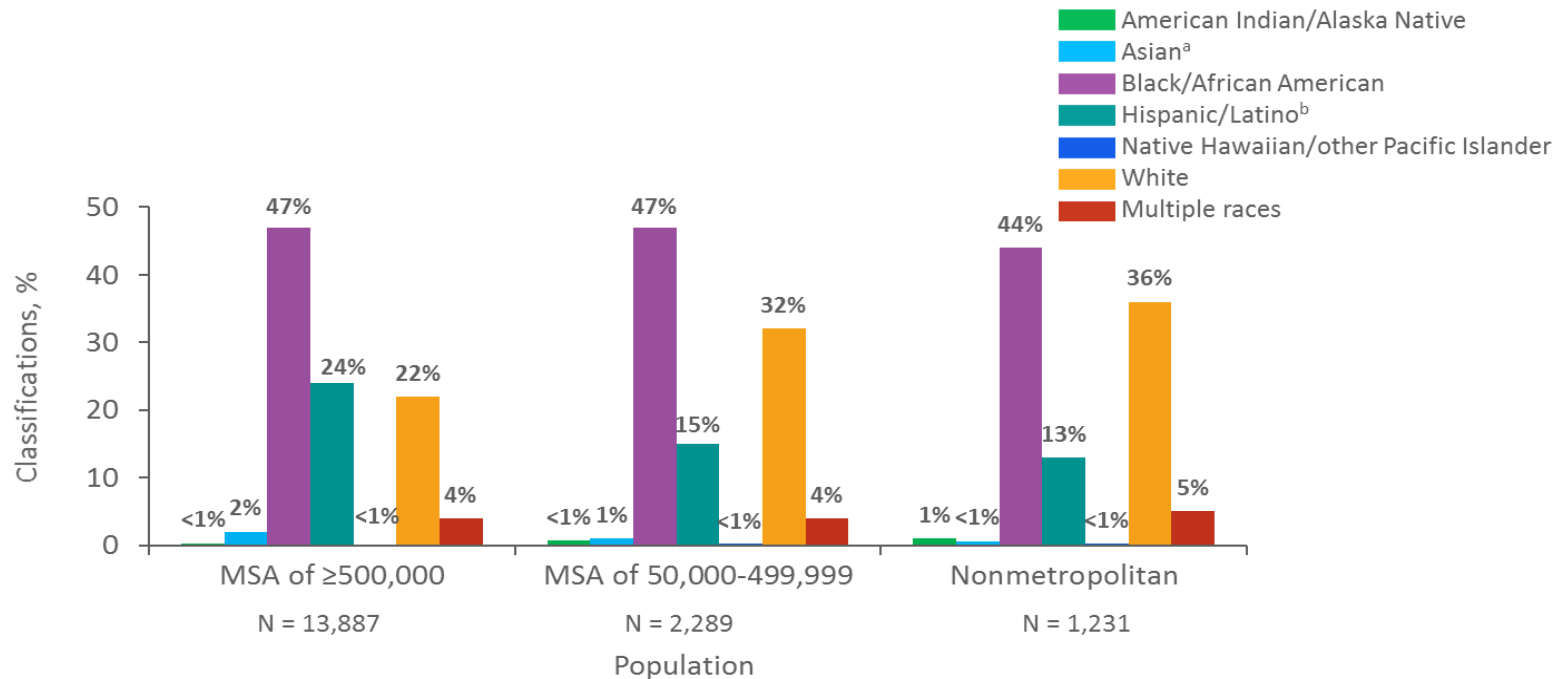
Note. Data for the year 2017 are considered preliminary and based on 6 months reporting delay. Data exclude persons whose county of residence is unknown.

## Stage 3 (AIDS) Classifications among Adults and Adolescents with Diagnosed HIV Infection, by Population of Area of Residence and Region, 2017—United States

Region of residence	MSA of ≥500,000		MSA of 50,000-499,999		Non- metropolitan	
	No.	Rate	No.	Rate	No.	Rate
Northeast N = 2,946	2,684	6.9	207	4.1	55	1.4
Midwest N = 2,204	1,680	5.2	339	2.8	185	1.5
South N = 9,259	6,923	10.5	1,458	7.0	878	5.3
West N = 2,998	2,600	5.3	285	2.8	113	2.0

*Note.* Data for the year 2017 are considered preliminary and based on 6 months reporting delay. Data exclude persons whose county of residence is unknown. Rates are per 100,000 population.

# Percentages of Stage 3 (AIDS) Classifications among Adults and Adolescents with Diagnosed HIV Infection, by Population of Area of Residence and Race/Ethnicity 2017—United States



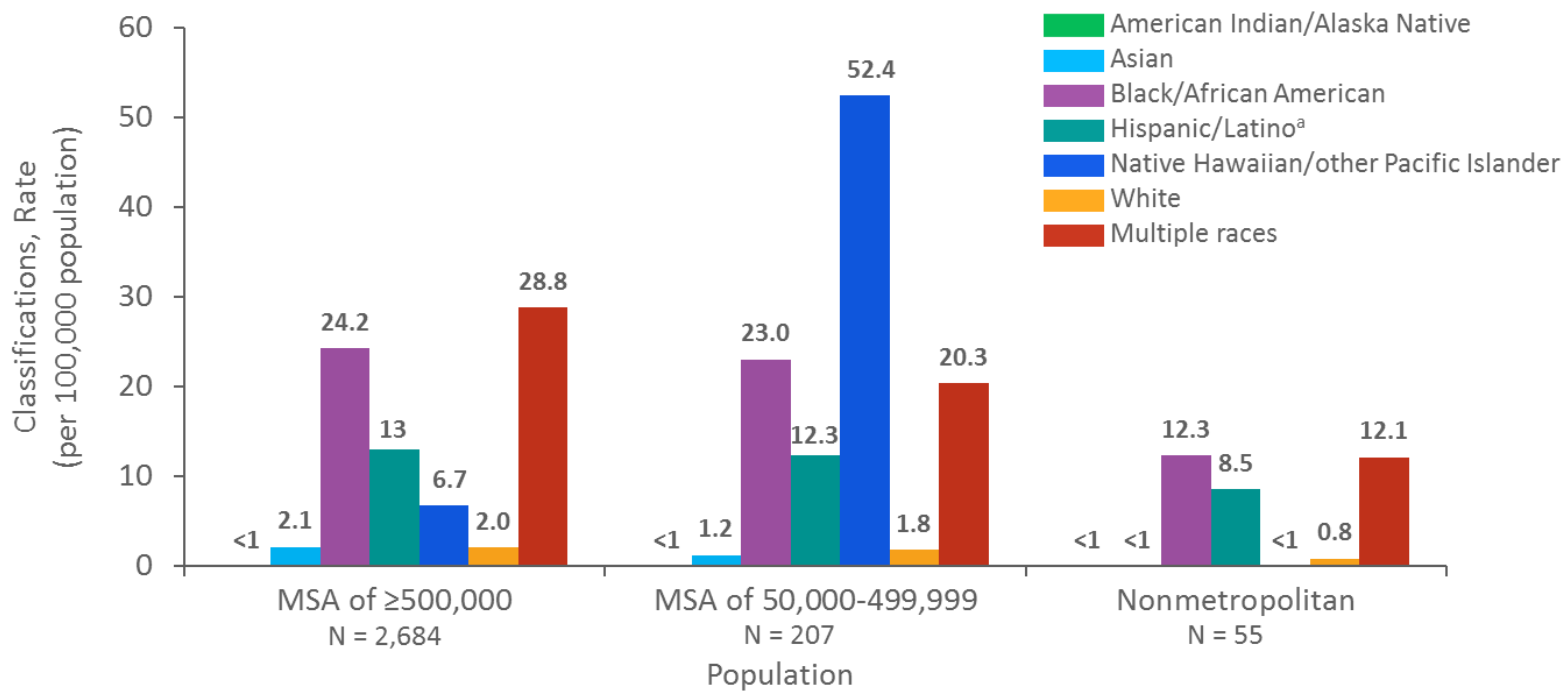
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<sup>a</sup> Includes Asian/Pacific Islander legacy cases.

<sup>b</sup> Hispanics/Latinos can be of any race.



# Rates of Stage 3 (AIDS) Classifications among Adults and Adolescents with Diagnosed HIV Infection, by Population of Area of Residence and Race/Ethnicity, 2017— Northeast Region, United States



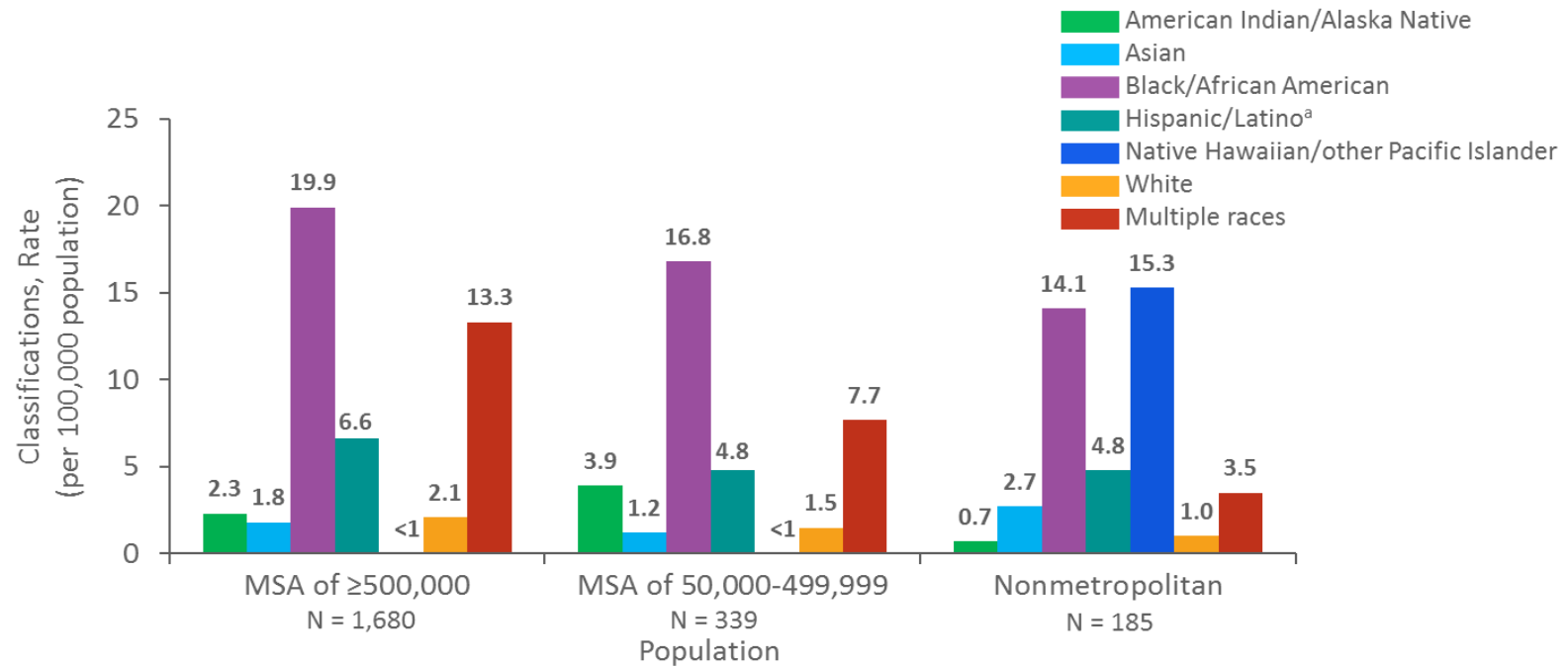
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<sup>a</sup> Includes Asian/Pacific Islander legacy cases.

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# Rates of Stage 3 (AIDS) Classifications among Adults and Adolescents with Diagnosed HIV Infection, by Population of Area of Residence and Race/Ethnicity, 2017— Midwest Region, United States



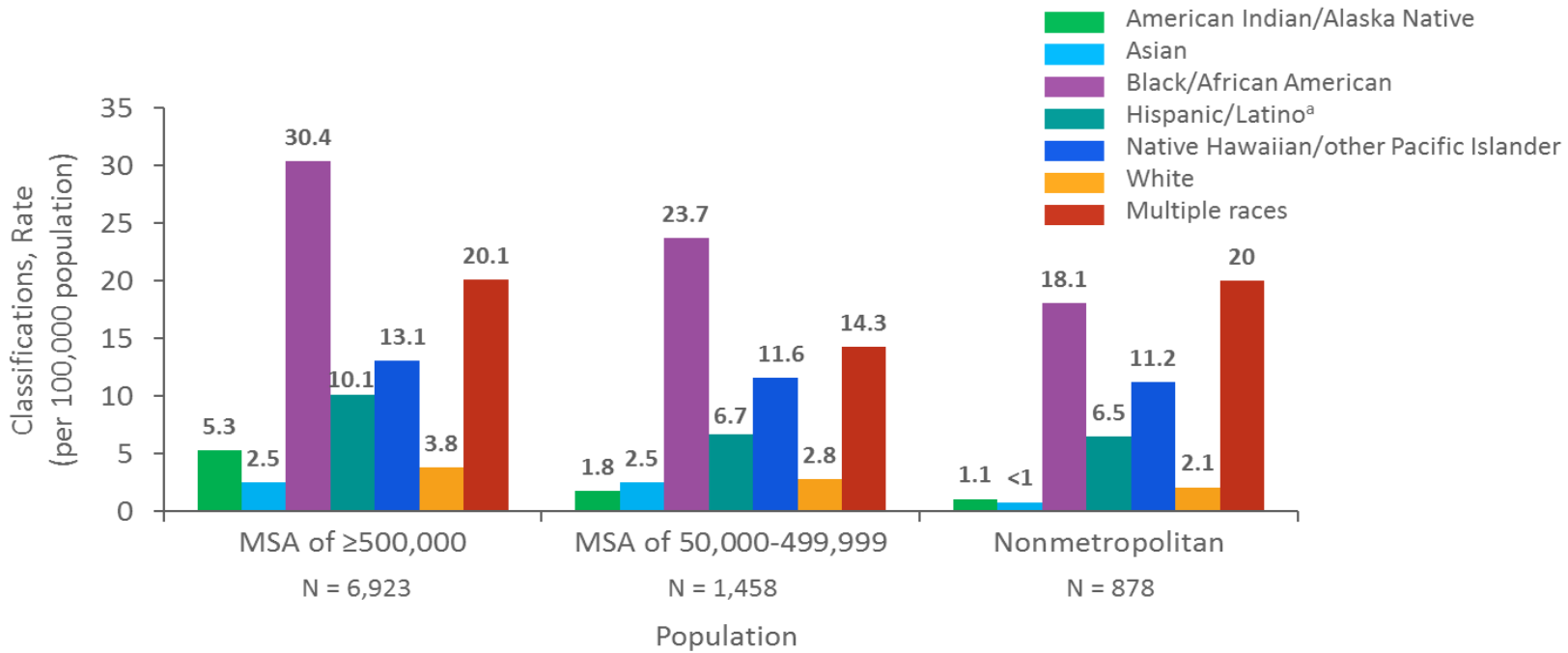
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# Rates of Stage 3 (AIDS) Classifications among Adults and Adolescents with Diagnosed HIV Infection, by Population of Area of Residence and Race/Ethnicity, 2017— South Region, United States



*Note.* Data for the year 2017 are considered preliminary and based on 6 months reporting delay. Data exclude persons whose county of residence is unknown.

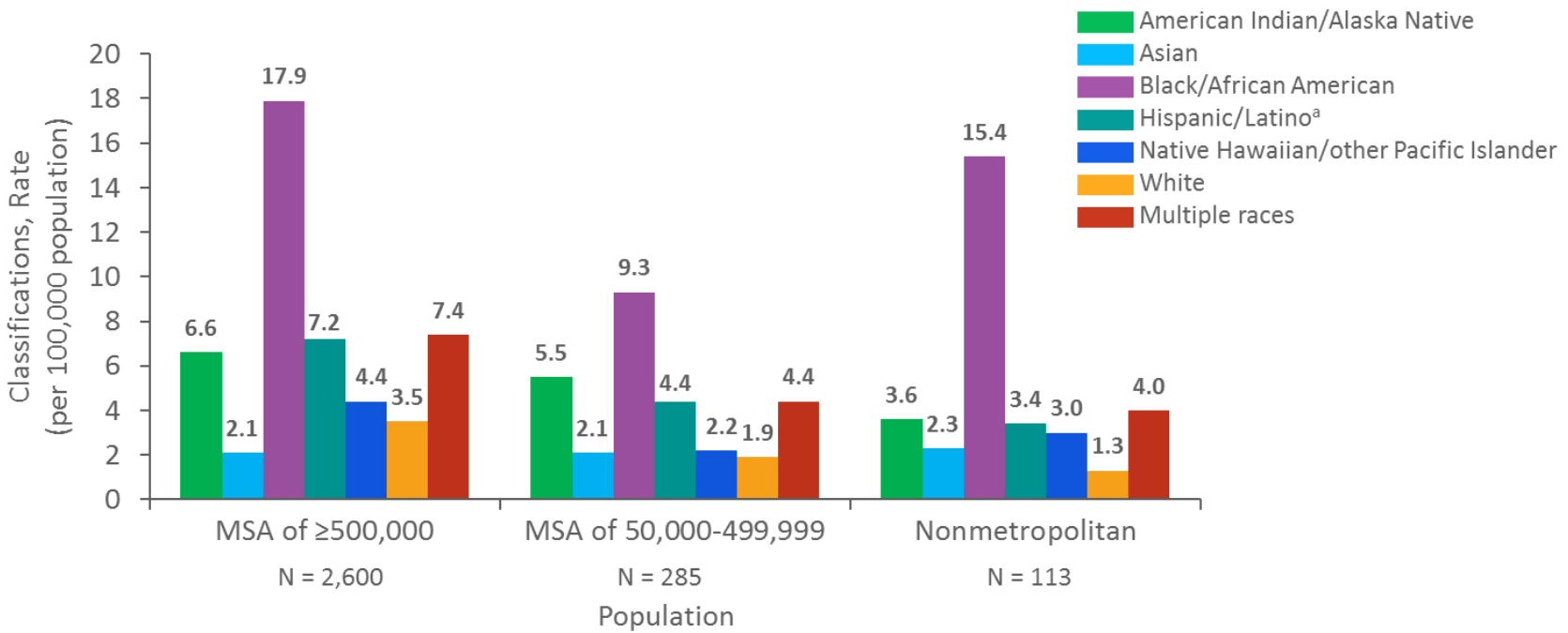
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# Rates of Stage 3 (AIDS) Classifications among Adults and Adolescents with Diagnosed HIV Infection, by Population of Area of Residence and Race/Ethnicity, 2017— West Region, United States



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